

WHAT IS CLAIMED IS:

1. A method for producing a flexible polyurethane foam in an open state, which comprises reacting a polyol with a polyisocyanate compound in the presence of a catalyst, a blowing agent and a foam stabilizer, wherein as the polyol, a polyol having a hydroxyl value of at most 15 mgKOH/g is used.
2. The method for producing a flexible polyurethane foam according to Claim 1, wherein the polyol has an unsaturation value of at most 0.05 meq/g.
3. The method for producing a flexible polyurethane foam according to Claim 1, wherein the polyol is a polyol produced by means of a double metal cyanide complex catalyst.
4. The method for producing a flexible polyurethane foam according to Claim 1, wherein the polyol contains fine polymer particles.
5. The method for producing a flexible polyurethane foam according to Claim 1, wherein as the foam stabilizer, a silicone type foam stabilizer having a silicone content of from 10 to 50 mass%, is used.
6. The method for producing a flexible polyurethane foam according to Claim 1, wherein as the polyisocyanate compound, at least one member selected from the group consisting of tolylene diisocyanate, diphenylmethane diisocyanate, polymethylenepolyphenyl polyisocyanate, a tolylene diisocyanate modified product, a diphenylmethane

diisocyanate modified product, and a polymethylenepolyphenyl polyisocyanate modified product, is used.

7. The method for producing a flexible polyurethane foam according to Claim 6, wherein as the polyisocyanate compound, polymethylenepolyphenyl polyisocyanate or a polymethylenepolyphenyl polyisocyanate modified product is used.

8. The method for producing a flexible polyurethane foam according to Claim 1, wherein the polyol has a hydroxyl value of less than 10 mgKOH/g.

9. The method for producing a flexible polyurethane foam according to Claim 8, wherein the polyol has an unsaturation value of at most 0.05 meq/g.

10. The method for producing a flexible polyurethane foam according to Claim 8, wherein the polyol is a polyol produced by means of a double metal cyanide complex catalyst.

11. The method for producing a flexible polyurethane foam according to Claim 8, wherein the polyol contains fine polymer particles.

12. The method for producing a flexible polyurethane foam according to Claim 8, wherein as the foam stabilizer, a silicone type foam stabilizer having a silicone content of from 10 to 50 mass%, is used.

13. The method for producing a flexible polyurethane foam according to Claim 8, wherein as the polyisocyanate

compound, at least one member selected from the group consisting of tolylene diisocyanate, diphenylmethane diisocyanate, polymethylenepolyphenyl polyisocyanate, a tolylene diisocyanate modified product, a diphenylmethane diisocyanate modified product, and a polymethylenepolyphenyl polyisocyanate modified product, is used.

14. The method for producing a flexible polyurethane foam according to Claim 13, wherein as the polyisocyanate compound, polymethylenepolyphenyl polyisocyanate or a polymethylenepolyphenyl polyisocyanate modified product is used.

15. A flexible polyurethane foam which is produced in an open state by reacting a polyol with a polyisocyanate compound in the presence of a catalyst, a blowing agent and a foam stabilizer, wherein as the polyol, a polyol having a hydroxyl value of at most 15 mgKOH/g is used.

16. The flexible polyurethane foam according to Claim 15, wherein the polyol has a hydroxyl value of less than 10 mgKOH/g.

17. The flexible polyurethane foam according to Claim 15, wherein the polyol is a polyol produced by means of a double metal cyanide complex catalyst.

18. The flexible polyurethane foam according to Claim 15, wherein as the foam stabilizer, a silicone type foam stabilizer having a silicone content of from 10 to 50 mass%, is used.

19. The flexible polyurethane foam according to Claim 15, wherein as the polyisocyanate compound, at least one member selected from the group consisting of tolylene diisocyanate, diphenylmethane diisocyanate,

5 polymethylenepolyphenyl polyisocyanate, a tolylene diisocyanate modified product, a diphenylmethane diisocyanate modified product, and a polymethylenepolyphenyl polyisocyanate modified product, is used.

10 20. The flexible polyurethane foam according to Claim 19, wherein as the polyisocyanate compound, polymethylenepolyphenyl polyisocyanate or a polymethylenepolyphenyl polyisocyanate modified product is used.